Peng Zeng

List of Publications by Year in descending order

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36 papers	1,098 citations	361296 20 h-index	414303 32 g-index
38 all docs	38 docs citations	38 times ranked	849 citing authors

#	Article	IF	Citations
1	Phytoextraction potential of Pteris vittata L. co-planted with woody species for As, Cd, Pb and Zn in contaminated soil. Science of the Total Environment, 2019, 650, 594-603.	3.9	102
2	Response of soil microbial activities and microbial community structure to vanadium stress. Ecotoxicology and Environmental Safety, 2017, 142, 200-206.	2.9	76
3	Phytostabilization potential of ornamental plants grown in soil contaminated with cadmium. International Journal of Phytoremediation, 2018, 20, 311-320.	1.7	76
4	Enhancing Cd(II) adsorption on rice straw biochar by modification of iron and manganese oxides. Environmental Pollution, 2022, 300, 118899.	3.7	74
5	Phytostabilisation potential of giant reed for metals contaminated soil modified with complex organic fertiliser and fly ash: A field experiment. Science of the Total Environment, 2017, 576, 292-302.	3.9	63
6	Atmospheric bulk deposition of heavy metal(loid)s in central south China: Fluxes, influencing factors and implication for paddy soils. Journal of Hazardous Materials, 2019, 371, 634-642.	6.5	62
7	Effects of tree-herb co-planting on the bacterial community composition and the relationship between specific microorganisms and enzymatic activities in metal(loid)-contaminated soil. Chemosphere, 2019, 220, 237-248.	4.2	61
8	Physiological stress responses, mineral element uptake and phytoremediation potential of Morus alba L. in cadmium-contaminated soil. Ecotoxicology and Environmental Safety, 2020, 189, 109973.	2.9	54
9	Dynamic response of enzymatic activity and microbial community structure in metal(loid)-contaminated soil with tree-herb intercropping. Geoderma, 2019, 345, 5-16.	2.3	45
10	Chelator-assisted phytoextraction of arsenic, cadmium and lead by Pteris vittata L. and soil microbial community structure response. International Journal of Phytoremediation, 2019, 21, 1032-1040.	1.7	34
11	Integration of manganese accumulation, subcellular distribution, chemical forms, and physiological responses to understand manganese tolerance in Macleaya cordata. Environmental Science and Pollution Research, 2022, 29, 39017-39026.	2.7	34
12	Complementarity of co-planting a hyperaccumulator with three metal(loid)-tolerant species for metal(loid)-contaminated soil remediation. Ecotoxicology and Environmental Safety, 2019, 169, 306-315.	2.9	33
13	Nano-Fe3O4-modified biochar promotes the formation of iron plaque and cadmium immobilization in rice root. Chemosphere, 2021, 276, 130212.	4.2	32
14	Physiological, anatomical, and transcriptional responses of mulberry (Morus alba L.) to Cd stress in contaminated soil. Environmental Pollution, 2021, 284, 117387.	3.7	27
15	Stabilization of heavy metals in biochar pyrolyzed from phytoremediated giant reed (Arundo donax) biomass. Transactions of Nonferrous Metals Society of China, 2017, 27, 656-665.	1.7	25
16	Co-application of indole-3-acetic acid/gibberellin and oxalic acid for phytoextraction of cadmium and lead with Sedum alfredii Hance from contaminated soil. Chemosphere, 2021, 285, 131420.	4.2	24
17	Response to cadmium and phytostabilization potential of Platycladus orientalis in contaminated soil. International Journal of Phytoremediation, 2018, 20, 1337-1345.	1.7	23
18	Physiological responses of Morus alba L. in heavy metal(loid)â€“contaminated soil and its associated improvement of the microbial diversity. Environmental Science and Pollution Research, 2020, 27, 4294-4308.	2.7	23

#	Article	IF	Citations
19	Geochemistry and ecological risk of metal(loid)s in overbank sediments near an abandoned lead/zinc mine in Central South China. Environmental Earth Sciences, 2018, 77, 1.	1.3	22
20	Feasibility of anaerobic digestion on the release of biogas and heavy metals from rice straw pretreated with sodium hydroxide. Environmental Science and Pollution Research, 2019, 26, 19434-19444.	2.7	22
21	Effect of inorganic potassium compounds on the hydrothermal carbonization of Cd-contaminated rice straw for experimental-scale hydrochar. Biomass and Bioenergy, 2019, 130, 105357.	2.9	20
22	Removal of cadmium, lead, and zinc from multi-metalâ€“contaminated soil using chelate-assisted Sedum alfredii Hance. Environmental Science and Pollution Research, 2019, 26, 28319-28327.	2.7	19
23	Combined amendment improves soil health and Brown rice quality in paddy soils moderately and highly Co-contaminated with Cd and As. Environmental Pollution, 2022, 295, 118590.	3.7	19
24	Optimizing pyrolysis temperature of contaminated rice straw biochar: Heavy metal(loid) deportment, properties evolution, and Pb adsorption/immobilization. Journal of Saudi Chemical Society, 2022, 26, 101439.	2.4	18
25	Changes in chemical fractions and ecological risk prediction of heavy metals in estuarine sediments of Chunfeng Lake estuary, China. Marine Pollution Bulletin, 2019, 138, 575-583.	2.3	17
26	Effect of Liming with Various Water Regimes on Both Immobilization of Cadmium and Improvement of Bacterial Communities in Contaminated Paddy: A Field Experiment. International Journal of Environmental Research and Public Health, 2019, 16, 498.	1.2	15
27	Dynamic responses of soil enzymes at key growth stages in rice after the in situ remediation of paddy soil contaminated with cadmium and arsenic. Science of the Total Environment, 2022, 830, 154633.	3.9	15
28	Co-application of water management and foliar spraying silicon to reduce cadmium and arsenic uptake in rice: A two-year field experiment. Science of the Total Environment, 2022, 818, 151801.	3.9	14
29	Facilitation of Morus alba L. intercropped with Sedum alfredii H. and Arundo donax L. on soil contaminated with potentially toxic metals. Chemosphere, 2022, 290, 133107.	4.2	13
30	Three-dimensional microfabrication of copper column by localized electrochemical deposition. , 2016, , .		9
31	Tolerance capacities of Broussonetia papyrifera to heavy metal(loid)s and its phytoremediation potential of the contaminated soil. International Journal of Phytoremediation, 2022, 24, 580-589.	1.7	9
32	Adsorption Characteristics and Mechanisms of Fe-Mn Oxide Modified Biochar for Pb(II) in Wastewater. International Journal of Environmental Research and Public Health, 2022, 19, 8420.	1.2	6
33	Effects of combined soil amendments on Cd accumulation, translocation and food safety in rice: a field study in southern China. Environmental Geochemistry and Health, 2022, 44, 2451-2463.	1.8	5
34	Physiological responses, tolerance efficiency, and phytoextraction potential of Hylotelephium spectabile (Boreau) H. Ohba under Cd stress in hydroponic condition. International Journal of Phytoremediation, 2021, 23, 80-88.	1.7	4
35	The influence of pulse and ultrasonic agitation on TSV filling. , 2017, , .		2
36	Tolerance and accumulation characteristics of Viburnum odoratissinum to cadmium in contaminated soil. Acta Ecologica Sinica, 2017, 37, .	0.0	0